NON-INVASIVE PROCEDURES

HYALURON PEN

SEOUl, SOUTH KOREA
KEY FEATURES AND CHARACTERISTICS OF HYALURON PEN

1.1. Principle of operation of the needleless device
1.2. Structure of the skin
1.3. Process of treatment
1.4. Advantages of the product

2. Indications for use
3. Counter-indications
4. Use patterns
5. Basic protocols
6. Calculation of the procedures
7. Practical part of the course
KEY FEATURES AND CHARACTERISTICS OF HYALURON PEN

1.1 Principle of operation of the needleless device

The device is equipped with a special piston with a spring, which create the conditions required for the even and fast administration of the product.

The microscopic puncture created by the device is used to administer both cocktails and biorevitalizing products. At the same time, the diameter of the puncture is two times smaller than one of the opening created by the traditional needle.

By using the HYALURON PEN to administer the products, one is able to increase the quality of administration under the skin, making it much better than in case with the traditional needle injections.
KEY FEATURES AND CHARACTERISTICS OF HYALURON PEN

1.1 Principle of operation of the needleless device

- No pain, no bruises and no swelling
- No postinjection complications
- One is able to use the device with fillers, biorevitalizing agents and meso cocktails
- An optimal solution for the patients with sensitive skin tending to form scars and bruises
- The device can be used in the field of dentistry to administer lidocaine; it can also be used by insulin-dependent people
- The device can be used with the following substances:
  - liquid products for biorevitalization and meso cocktails
  - fillers of high (20 ml/g) and low (24 ml/g) density
1.2 Structure of the skin

1. Skin
2. Subcutaneous fat
3. SMAS
4. Connective tissue
5. Deep fascia

LOCATION OF BLOOD VESSELS AND LYMPHATIC NODES ON THE FACE
1.3 Process of treatment

1. Check if the device is in the armed position. In case if the device is armed, pull the trigger to disarm it.
2. Connect the adaptive attachment for the chosen syringe
3. Turn the syringe around in order to fill it with the substance (HA, vitamins or meso cocktails)
4. Turn the calibrator to 0 in the counterclockwise direction
5. Remove the adaptive attachment and connect the syringe to the Hyaluron Pen
6. Turn the calibrator in the clockwise direction until a drop of the substance appears from the syringe
7. Pull the trigger in order to prepare the device for the usage
8. Use the clockwise direction to adjust the dosage of the product for the injection (it's recommended not to use more than 2 sections for 1 injection)
9. Hold the device in the vertical position (by 90° relatively to the skin) and firmly attach it to the surface of the skin
10. Push the trigger in order to administer the substance under the skin. Put a cotton pad on the place of administration for 10 seconds.
11. Pull the trigger into the initial position and re-arm the mechanism of the device. Turn the calibrator in the clockwise direction in order to choose the required dosage and administer the substance under the skin.

(Second usage of the device). Repeat steps 8 and 9 from the previous section.
2. INDICATIONS FOR USE

What are the main cases to use the HYALURON PEN

HYALURON PEN is one of the most efficient devices to perform the following procedures:
• Correction of the wrinkles with the usage of the hyaluronic acid fillers
• Meso therapy and biorevitalization
• Increasing the volume of the lips

One can use the HYALURON PEN to administer the following substances in an easy manner:
• Biorevitalizing agents
• Lifting agents and substances
• Meso cocktails
• Other injectable dosage forms intended to make the skin young and restore it

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3. CONTRA-INDICATIONS

- Can be used only by patients of more than 18 years old
- Can't be used by pregnant and breastfeeding women
- Can't be used in case of herpes recrudescence
- Can't be used in case of oncology
- Can't be used in case of severe skin inflammations
- Can't be used in cases of the damaged skin in the administration area (scars, bruises and scratches after shaving)
- Can't be used with medicines, which affect the coagulability of the blood and cause vessel constriction
- Can't be used in case of diabetes
- Can't be used in case of HIV and AIDS
- Can't be used in case of severe acne
- Can't be used in less than 30 days after the laser peeling of the skin or deep skin layers polishing procedures
- Can't be used in case of artificial implants existence in the administration area
- Can't be used in case of mental problems and illnesses
- Can't be used by people under the influence of alcohol
- Can't be used in case of allergy and intolerance to the chosen substance
- Can’t be used in case of allergic reactions
- Can’t be used in case of fungous diseases of the skin
- Can’t be used in case of the increased pigmentation of the skin
- Can’t be used in case of emmenia during the days of treatment
- Can’t be used in case of a hormone imbalance (climax, problems with the thyroid gland and so on)
- Can’t be used in case of hormonal medicine intake (contraceptives and so on)
- Can’t be used in case of autoimmune abnormalities

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### FILLERS + HYALURON PEN

#### 4.1 Dosage of fillers

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Product</th>
<th>Dosage</th>
<th>Usage for 1 treatment</th>
<th>Period of usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lip moisturizing</td>
<td>Filler of 18 mg/ml</td>
<td>0.01 ml</td>
<td>0.8 – 1 ml</td>
<td>Once in 2 weeks (5-7 in total)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.02 ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lip moisturizing</td>
<td>Filler of 24 mg/ml</td>
<td>0.01 ml</td>
<td>1 ml</td>
<td>Once (correct in a month)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.02 ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nasolabial folds</td>
<td>Filler</td>
<td>0.02 ml</td>
<td>0.3 – 0.5 ml</td>
<td>Correction in 2 weeks</td>
</tr>
<tr>
<td>Glabellar lines</td>
<td>Filler</td>
<td>0.01 ml</td>
<td>0.1 – 0.2 ml</td>
<td>Correction in 2 weeks</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.015 ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forehead</td>
<td>Filler</td>
<td>0.01 ml</td>
<td>0.2 – 0.3 ml</td>
<td>Correction in 2 weeks</td>
</tr>
</tbody>
</table>
FILLERS + HYALURON PEN

4.2. Meline Classic filler use pattern

Can be used only for the 18+ age group
Thin skin
Applied filler: Meline Classic
Device in use: Hyaluron Pen Black
Density of the filler: 20 mg/ml
Area of application: Any area except the periorbital one
Dosage: 0.1 ~ 0.2 ml

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4.2. Meline Deep filler use pattern

Can be used only for the 18+ age group
Thin skin
Applied filler: Meline Deep
Device in use: Hyaluron Pen Black
Density of the filler: 20 mg/ml
Area of application: Any area except the periorbital one
Dosage: 0.2 ml
4.2. Meline Volume filler use pattern

Can be used only for the 18+ age group
Thin skin
Applied filler: Meline Deep
Device in use: Hyaluron Pen Black
Density of the filler: 20 mg/ml
Area of application: Periosteum zone Chin
Dosage: 0.3 ml
FILLERS + HYALURON PEN

4.2. Metoo Light filler use pattern

Can be used only for the 35+ age group
Dense and thick skin
Applied filler: Metoo Light
Device in use: Hyaluron Pen Black
Density of the filler: 24 mg/ml
Area of application: nasolabial fold, lip volume increasing
Dosage: 0.02 ml
4.2. *Metoo Deep* filler use pattern

Can be used only for the 35+ age group
Dense and thick skin Deep folds and pinches
Applied filler: *Metoo Deep*
Device in use: *Hyaluron Pen Black*
Density of the filler: 24 mg/ml
Area of application: deep layers of the skin, chin and periosteum
Dosage: 0.015 ml
BASIC TREATMENT PROTOCOL

5.1 Fillers - Lip plumping

- How to prepare the skin:
  - Remove the makeup on the area of the treatment by using the MICELLAR WATER
  - Use chlorohexidine to asepticize the surface of the skin
- Eliminate all possible physical impacts on the treated area of the skin
- Avoid going to the sauna
- Avoid going to the beach or tanning studios
- AVOID DRINKING AND EATING HOT PRODUCTS
- In order to restore and heal the bruises, one shall use: Badiaga spongia fluviatilis and heparin ointment
**BASIC TREATMENT PROTOCOL**

**5.1 Fillers - Lip plumping**

1. Choose one of the products depending on the requirements of the customer
2. Attach the needle to the cartridge
3. Fill the device with the chosen product
4. Rotate the cartridge in the clockwise direction in order to attach it
5. Use the trigger to put the device into the armed position
6. Use chlorohexidine to asepticize the chosen area
7. Pinch the area with your fingers or attach the cartridge to the lips and pull the trigger. Remove the device from the treatment area in 5-10 seconds
8. Hold the device vertically
9. Apply the cotton pad on the area of the treatment for 5 seconds after the administration of the substance
10. Remove the cartridge and disposed the used syringe to a special container
11. Put the device on the tray in the disarmed position

**AFTER THE TREATMENT**

- On the third day after the treatment, one shall use the fingertips to massage the lips and relocate the filler during the next 3-5 days.
- One shall avoid spicy food, smoking, seafood and pickled products, as well as wine and beef in 72 hours after the treatment

➤ **No anesthetization required!**
   The treatment is incredibly fast and totally painless.

➤ **Upper lip:** 10-12 shots by 0.01 ml or 7-8 shots by 0.02 ml

➤ **Lower lip:** around 10-12 shots by 0.01 ml or 7-8 shots by 0.02 ml

➤ **Thin lips:** not more than 0.01 ml

➤ **Dense lips:** increase to 0.02 ml
5.2 Fillers - Wrinkles

Forehead rhytids
The maximum number of injections (every 2/3 mm) for the nasolabial wrinkles; one can use fillers with the density of up to 24 mg/ml

Cheek-bones and cheeks
The maximum number of injections (every 2/3 mm) with the low amount of the product administered at the depth of less than 2 mm. Recommended dosage: from 0.01 to 0.02 ml.

Deep nasolabial wrinkles
Use fillers with the density of up to 24 mg/ml. The maximum number of injections (every 1/2 mm) with the low amount of the product administered at the depth of less than 2 mm. Recommended dosage: from 0.01 to 0.02 ml.

Folds on the neck (Venus rings)
The maximum number of injections (every 2/4 mm) with the low amount of the product administered at the depth of less than 1 mm. Recommended dosage: from 0.01 to 0.02 ml.

BASIC TREATMENT PROTOCOL

➤ For mature skin: choose 2 sections on the calibrator
   For younger skin: 1 section
➤ Hold the device strictly vertically by the angle of 90 degrees
➤ Hold the device for 2-3 seconds after making a shot
➤ Use fillers with the density of up to 24 mg/ml to eliminate deep wrinkles
➤ It's not allowed to administer anything to the periorbital zone.
• Drink at least 2 liters of water during the next 3 days
• Avoid drinking hot products (tea, coffee and even food); choose only food and drinks of the room temperature
• Avoid going to the places with sharp temperature changes (saunas and so on) during 7 days
• Use ice cubes to remove severe swelling
• Massage your lips to avoid formation of spheres and nubbles
• Use Bepanthen ointment or butter to moisturize your lips
• Avoid using decorative cosmetics during the first 48 hours
• Avoid drinking alcohol in one day before and 2 days after the treatment
5.3 Biorevitalization

➤ **Biorevitalization** — is a procedure when the skin of a person is administered with hyaluronic acid injections.
➤ **Hyaluronic acid** - is a natural component of the skin cells, which is used as the key component to treat and heal the skin in various cosmetic products.
➤ Hyaluronic acid is able to increase the level of moisturizing (1 molecule can keep up to 1000 molecules of H2O) and provide the proper location for elastin and collagen in the skin, thus increasing the quality of the epidermis **and using the redermalization effect to rejuvenate the skin.**

**Preparation of the skin**

- Remove all the makeup on the affected area with the cleansing milk
- Use spirit, hidrogen peroxide or chlorohexidine to asepticize the skin
- Using the nappage technique to administer the substance: The maximum number of injections (every 5/6 mm) with the low amount of the product administered at the depth of less than 2 mm.
- This treatment shall be used on the face, skin, neck and arms areas
- Create the grid on the surface before starting the treatment Distance: 1-1.5 cm
# Basic Treatment Protocol

## 5.3 Biorevitalization - Dosage

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Product</th>
<th>Dosage</th>
<th>Usage for 1 treatment</th>
<th>Period of usage</th>
<th>Post treatment care</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biorevitalization of face, neck, arms</td>
<td>Biorevitalizing agent</td>
<td>RRS 0.015 – 0.02 ml</td>
<td>RRS 0.015 – 0.02 ml</td>
<td>Once in 2 weeks (6-10 in total)</td>
<td></td>
</tr>
<tr>
<td>Meso therapy of the face and arms</td>
<td>Biorevitalizing agent</td>
<td>0.015 – 0.02 ml</td>
<td>0.015 – 0.02 ml</td>
<td>Once in 2 weeks (up to 3 in total)</td>
<td></td>
</tr>
<tr>
<td>Meso therapy of the hairy part of the head</td>
<td>Biorevitalizing agent</td>
<td>0.015 – 0.02 ml</td>
<td>0.015 – 0.02 ml</td>
<td>Once in 2 weeks (from 10 in total)</td>
<td>It’s recommended to use special set of vitamins</td>
</tr>
<tr>
<td>Forehead</td>
<td>Biorevitalizing agent</td>
<td>0.015 – 0.02 ml</td>
<td>0.015 – 0.02 ml</td>
<td>Once in 2 weeks (from 10 in total)</td>
<td>Once a month during the process of hair change</td>
</tr>
</tbody>
</table>
5.3 Biorevitalization

Biorevitalization can be used by people of any age. This method is recommended to restore the skin and rejuvenate it in the following cases:

- dry skin with inadequate moisturizing
- weak and sagging skin
- in case of folds and mimic wrinkles
- to remove pigment spots
- to eliminate various imperfections: couperosis, stretching marks and acne
- to prepare for a plastic surgery or deep and medium peeling procedures
- to remove pigment spots
- to eliminate various imperfections: couperosis, stretching marks and acne
- to prepare for a plastic surgery or deep and medium peeling procedures
- to restore the skin after chemical peelings, laser polishing and continuous damaging by the UV-rays.

In order to reach the highest quality of biorevitalization one shall use two stages and the Hyaron product: the initial and the supporting therapy.

1st stage: 1 treatment session every 10 days (4-6 sessions)
2nd stage: 1-2 treatment sessions every month

The total number of sessions depends on the state of the skin.
AFTER THE TREATMENT

Bio revitalization

- Eliminate all possible physical impacts on the treated area
- Avoid going to the sauna
- Avoid going to the beach or tanning studios

The result of the treatment will be obvious after the treatment; one will be able to evaluate the process in 2 days, while the final state will be reached in about a week.

Depending on the chose product, the results may last for up to one year.
6. CALCULATION OF THE PROCEDURES

BIOREVITALIZATION
Use 1 syringe on 2.5 ml for one patient
+ 1 cartridge and disposable items (sponges and chlorohexidine)

LIP PLUMPING
1 ml of the filler
+ 1 cartridge and disposable items (sponges and chlorohexidine)